

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "Bob White" <Bob_White@CCMAIL.sms.lmco.com>
Subject: [4613] 49er Test - Milliwatting
Message-ID: <9610188483.AA848339705@CCMAIL.sms.lmco.com>

I am looking for reports from those of you that participated in the 49er test while using under 1 watt.

Please send your results, power level, rig used, antenna used and geographic location of station so that we can share our experiences with the readers of the ARCI QQ.

Any short comment about the contest will also be gratefully accepted.

Thanks guys,
Bob White W03B
Milliwatt editor for the ARCI QQ

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: rheiss@tuba.aix.calpoly.edu (Robert Everitt Heiss)
Subject: [4604] 96 SS Phone de K06KA
Message-ID: <9611180633.AA100492@tuba.aix.calpoly.edu>

Well, 15m was fun while it was open. On the other bands, conditions were kinda rough for my 2.5 Watts PEP. So I threw in the towlette after 6 hrs.

57 QSOs, 31 sections => 3,534 points

Breakdown: 22 on 15m, 21 on 20m, 10 on 40m, 4 on 75m.

73, Rob K06KA
rheiss@calpoly.edu

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "Laura" <sputnik@imt.net>
Subject: [4619] A Fox Poem
Message-ID: <199611181440.HAA14276@cu.comp-unltd.com>

Hi, Gang! My Jack Russell Terrier's actual experience and my constant struggle to bag those furry foxes each week was the inspiration for my latest poetic effort. I thought I'd share it with you!

Laura KJ7UN Lubner QRP-L #790

The Fox -

I saw a fox without antenna, sitting on a rock so cold,
And danced around him on the ground a terrier was so bold.
She barked and whined and jumped about to try to get him down,
The fox just shook and hissed at her beneath his frightened frown.
The terrier could not scale the rock, for her it was too high,
And so the fox did wait it out as time slowly did pass by.
At long last the terrier tired, this fox had worn her out,
Besides, her bark was getting sore with every time she'd shout.
Begrudgingly, she walk away, her ears hung way down low,
And after she was far away, the fox could finally go.
And so this all just goes to prove, what this poem is about,
A fox is not so easily caught, with antenna or without!

From owner-qrp-l@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: Mark Korchinski <MKORCHINSKI@PMRA.HWC.CA>
Subject: [4609] CQ, CQ de BORG
Message-ID: <s2901754.085@PMRA.HWC.CA>

Not really QRP-related, but got a chuckle reading in a science fiction magazine on the weekend that in the upcoming Star Trek movie "First Contact" the technical people programmed the Borg eye pieces to flash their names in morse code as a joke. I wonder what their grid square is.

73,
Mark VA3ZU

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [4647] Fox Hunt Scores
Message-ID: <199611190147.SAA26662@dancris.com>

If anyone is interested, I have the fox hunt results (as posted by Chuck K5FO) in a table on my web page....<http://www.dancris.com/~ki7mn>.

Hi, Frank!

Chuck....WB6BAB appears twice, with different scores...which one is correct?
73,
Bob, KI7MN QRP-L #271, NorCal #1228, CQC #274, QRP ARCI #8918, not in any
order of importance.

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [4622] FOX Standings
Message-ID: <199611181634.QAA03223@chuck.dallas.sgi.com>

Gang,

Foxhunt Current Standings Week #7 November 17, 1996

The Big Game!!!! CA-6.5 TX-6.5 November 1, 1996

Fox Scores

CALL	CONTACTS	STATE	TOTAL POINTS
AB5OU	37	NM	
AE9K	23	WI	
K2NF	59+47	FL	106
W03B	29	MD	
NQ7K	37	AZ	
N9DD	40	IN	
KF2PH	12	NY	
WA5VQK	50	TX	
WB8RUQ	47	MI	
WA1GUV	21	VT	

KA5DVS	25	NJ
WB5QMP	22	ID

Novice and Tech+ Scores

KB0ROL	12+ 9+11	CO
WD4MSM	5+ 5+ 9	IN
KB9LGJ	11	AZ
WA7SSA	7+ 5+ 3	ID
KB9JLO	12+ 9	IL

Note: X.5 means X regular foxes and .5 means one Novice(5 pts)
so that score is X+5. Only one Novice per non-Novice stn.
So 3.5 means 3 regular and 1 novice for total of 4 contacts,
but 8 points total. Only one Novice
allowed for the season for stations other than Novice/T+.

Hunters Scores

Leaders: (10.5) NQ7X KK5RO N6XU

W0CH/m(3.5) AA0XI(8.5) W00Q(7) WB0CLD(3) AB0CD(3) KI0G(1.5) AA0XZ
KQ0I WA0FGV NI0A(3) K0EVZ WA0RPI(2) KD0SU KB0VCC(2) AA70A
N0TFI KB0PJ N0UR AB0DC
K1MG(8.5) AK1P(4) WA1QVM(4.5) W1HUE(7.5) N1RXT(2) KA1AXY(2) N1QQV(2) KC1GS
W1UI(0.5) AA1MY(1.5) WA1YIA(1.5) KC1FB(0.5) K10J
AA2WJ(7) AA2PF(5) N2G0(2) WZ2T N2VPK(4.5) K2VNM(2) N2YRJ N2TNN(2) K2NF
KG2DP
K3ETS(1.5) N3SLR N3KFL W3PNL KA3WMJ(1.5) W03B(1.5) KT3A NR3E W3WZ(0.5)
AE4IC(5.5) WB4ZKA(2) KE4YH(8.5) W4STX KS4L KE4KDT(1.5) AD4ZE(2) WJ4P(2)
K4CGY KK4KF(2.5) N4S0(2) KI4JA NR4N
N5ET(10) AB5OU(4.5) K5W0(3) KK5RO(10.5) W5TFB(9.5) AB5UA(7.5) K5UP(6) WA5VQK(7)
K5ZTY(4.5) KK5MC/5 WA5WHN(1.5) AC5II(4) N5JKY(3) K5F0(4) WB5QMP(2.5)
WB5QYT(4) W5VB0(1) KK5GJ(1.5) K5RV(3) W5HNS(3.5) WA5CVM AC5CI KA5DVS
NA5N(2) KA5T(2.5) WD5GKH K5ON(2.5) KB5YVT N5LU(2) KE5TF(2) W5FN(2) N5ALO
KE5FT KJ5SP K5JHP
KK6MC(9.5) N6WG(6.5) KQ6AG(4) W6BAB(7.5) AB6DG(4) KI6DS(3) WA6NAE(5.5) W6ABX
K06KA(6.5) KI6SN KD6ZMJ(1.5) WA6MOK(0.5) K6VNX(6) N6XI
WA6HHQ(5) AA6R(2.5) WA6OWR W6EMT N6GA AC6KW WA6GER(2) WA6RAE
W6EMD(2.5) WB6LMA(0.5) KI6OY(1.5) N6XU(10.5) N6KR(0.5) W6ZH(2)
N6PDX W6BAB(0.5) W6SI
KK7BD(7) AB7ST(6.5) KC7NEV(6.5) NQ7K(5) NQ7X(10.5) KU7Y(7.5)
KI7MN(3) N7KT(4) N7GS(6.5) WW7Y(2) N7MFB WB7DUO KG7PV W7JDZ(3.5)
AB7HI(2) KJ7NS AB70A W7SNV N7CQR AB7MY N7MFB KJ7LB(0.5) KE7X
W7LR KJ7UN(1.5)

W8DN(6.5) WA8CDU(6.5) WB8ZJL WD8LDY W8EO
AE9K(3) W9UQB N9DD(5.5) KB9IUA(6) K9DZE(3) NN9K(4) W9ZSJ NY9B WA9PWP(1.5)
N9RYI WA9YLB(2) WB9LEF

VE7CQK(2.5) VE3JC(2.5) VE3SP(4) VE7SL(3.5)

Novice Stations working foxes - these count in separate class of prizes. Let me know if you are N/T+ and have worked a fox and I put you in the above grouping.

WA7SSA(3) KB9LGJ(1)

SIG

Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50
EMPS QS0s=109 STATES(w/c)=34/2 DX=0

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [4611] FOX Tonight
Message-ID: <Pine.SUN.3.90.961118055504.21398B-1000000@vortex.sage.dri.edu>

ALERT----ALERT

FOXing will be ongoing at 1730 West Coast time at 7035+.

That's 0130z...

Monday night....Free Nevada QSL cards to the first 100 callers that make it into the log.... :-)

Still raining here and now the winds are blowing at near 100 mph over the ridge....that ridge is about 8 miles West of me! Winds at the place have only been up to the 50 mph range....should help blow the sigs eastward.....

cu all on 7035+ tonight....

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996

From: "Dan Reynolds" <bcdlr@midwest.net>
Subject: [4608] Foxhunt N/T Nov. 19 - Tuesday (local time)
Message-ID: <199611181228.GAA15767@cdale3.midwest.net>

Foxhunt N/T Tuesday November 19 "Local Time"
KB9JLO Decatur, IL 0100-0300UTC

I will be on this Tuesday evening as the N/T Fox. Kevin Brown, N4SO suggested I start out at 7.108, because of BC QRM and I think I'll try that this time. So I'll start out at 7.108 and move all the way up to 7.112 if needed, (skipping 7.110 or thereabouts).
Please come out and look for me.

Mark your calendar -- Tuesday evening, "Local Time"
0100-0300UTC (Nov. 20 Wed) 7.112 KB9JLO qrp-1 #293

Dan Reynolds - Technology Coordinator
Lutheran School Association of Decatur, IL
ham radio: KB9JLO packet: KB9JLO@N9KGZ.#CIL.IL.USA.NOAM
web: <http://www.midwest.net/orgs/lsa/>
email: bcdlr@midwest.net or lsa@midwest.net

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "Kelly Ellison" <kelman@dialnet.net>
Subject: [4651] How about PC Monitor RFI?
Message-ID: <199611190316.VAA21585@shell.dialnet.net>

Hello All,

I have been reading the useful information about different types of RFI. How about the RF generated by my PC Monitor. I have a Clone with a low-end Monitor and it generates birdies all over the place on 10, 15 and 20 meters. Rig and tuner are grounded. Any other simple solutions to filter out that pesky interference generated by my computer Monitor? I feel this is a concern of all QRPers.

Thank you,

Kelly Ellison - WB0WQS
kelman@dialnet.net
Aurora, Missouri

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [4654] Huge, HUGE list of stuff for sale
Message-ID: <Pine.3.89.9611182251.A5244-01000000@w3eax.umd.edu>

Some belongs to me, some to KA3RTE...I'm in charge of moving ALL of it...

LOTS of great stuff here...most in NEW condition, some never used.

- 1) Datong ANF automatic/manual notching/peaking filter,
excellent condition, works great. \$50.
- 2) Spi-Ro 40/20m antenna, half in perfect cond, half weathered.
Uses copper wire and traps. Clean half was indoors.
Orig. \$80, half price at \$40.
- 3) MFJ Random Wire tuner 16010 (160-10m). New condition.
With manual, tunes random wire via LC circuit. Abt.
2x3x4". \$40 new, asking \$30.
- 4) MFJ-956 shortwave receiver antenna tuner. 2x3x4",
basically a tuned LC circuit. Covers 150 kHz - 30 MHz.
\$40 new, asking \$30. Unit has not a scratch.
- 5) MFJ-949E 300 watt antenna tuner with built-in dummy load,
Cross-needle backlighted meter, balun, feeds 2 coaxes
plus random wire or balanced line. New condition,
with manual. \$140 new, asking \$100.
- 6) MFJ-1704 4-position high-power coax switch with lightning
protection bead. \$60 new, never used, with original packing
and manual. \$48.
- 7) MFJ-931 artificial ground, excellent condition with manual.
\$75 new, asking \$50.
- 8) Ten-Tec Scout modules, 40 and 80 meters. New. \$29 new,
asking \$23 each.
- 8a) Ten-Tec mobile bracket for Scout, \$15 new, asking \$12.
- 9) Ten-Tec model 937 11 amp power supply, matches the Scout
perfectly. Perfect cond., with original box (no manual).
\$79 new, asking \$65.

- 10) Ten-Tec model 291 antenna tuner, matches Scout although a little taller. One flange on back of unit is slightly bent, unit works perfectly. 47-position inductor simplifies design and operation. No balun, no meter, just a sturdy tuner. Sells for \$89 new, asking \$65.
- 11) And now the king...Vibroplex original standard bug, stamped with Mobile, Alabama address. New in box (opened), S/N 101544. \$139 new, asking \$105.
- 12) Drake MN-4 antenna tuner. BIG, easy-to-read meter, heavy aluminum-inside-steel case, with original manual. Two small marks on front panel - on meter scale - and a few small marks on the top of the case. \$100. No balun, and for this price it's only \$30 more than the going price for a W-4, which is JUST a meter...also has a bypass coax.
- 13) Heathkit HM-2140 dual watt/SWR meter for HF. Nearly perfect condition, remote sensing unit, w/photocopy of manual. Asking \$90. Classic green-over green.
- 14) Heathkit HD-15 hybrid phone patch, perfect cond. save for a single scratch on the back. With photocopy of manual. \$25.
- 15) Yaesu NC-29-compatible 5 hour battery charger by Novex. Fits the FT-411/FT-470 series HTs (FNB-12/14/17/etc.). New condition with box and packaging, \$25.
- 16) Ramsey PA-10 2m (5 in 30 out) power amplifier for FM. Excellent condition with box, manual, NO PREAMP. \$40.
- 17) Kenwood TS-520 with DC power cord, AC cord, VERY fresh 6146B's and 12BY7A driver. Covers 80-10 meters, 80-100 watts output.

Includes external VFO-520, SP-520, and MC-50 desk mic.

Everything with original connectors, cables, and even boxes. Great backup/starter station, truly in almost new condition. Asking \$425, will consider parting out...

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
 *** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
 ** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
 * 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: William McFadden <wmcfadde@oucsace.cs.ohiou.edu>
Subject: [4630] LDG QRP auto-tuner and wires
Message-ID: <199611181805.NAA12752@oucsace.cs.ohiou.edu>

Hello all,

I'm seriously considering buying and building the new LDG QRP auto-tuner (<http://www.radix.net/~ldg/QRPtuner.html>) for use with my QRP+ and the QRP Station in a Bag, a description of which can be found on my web page.

Currently I carry a 20m dipole, a 40m dipole, and an 80m 1/4 wave wire with 1/4 wave counterpoise. (I'll have to admit I haven't yet tried this 80m antenna.) With the LDG tuner available to rapidly and reliably tune a wire, my thought is I could leave the dipoles home when hotel-ing and string a random wire or the 1/4 wave 80m wire and a counterpoise, letting the LDG tuner make the rig happy. The single wire and counterpoise should be more easily and quickly erected than the dipoles, especially from a hotel room. The LDG would let me leave the HM-9 SWR bridge and MFJ-901 tuner at home, as well.

It's my assumption that because there'll be no feedline losses the wire w/counterpoise will radiate fairly well, albeit with a significantly different pattern than that of the dipoles. Is this, in fact, a reasonable assumption? Will I be pleased or satisfied with the performance provided by such a system?

I value any advice on this, and welcome all to visit my web page, the address of which is in the signature block.

72,

Eric

--

W. Eric McFadden WD8RIF
wmcfadde@ace.cs.ohiou.edu
<http://ouvaxa.cats.ohiou.edu/~mcfadden>

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996

From: jerry@otherside.com (Jerry L. Kitterman)
Subject: [4639] Looking for Multi-meter kit
Message-ID: <199611191239.HAA24211@nirvana.otherside.com>

Gang,

Someone told me that Ramsey had a multi-meter kit out but I don't find it listed anywhere? Anyone know anything about this or any other meter kit's available?

Also, would be interested in buying a good digital multi-meter if anyone has anything like this. Thanks for the BW.

Jerry
WD9CTB

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: PDouglas12@aol.com
Subject: [4615] NE QRP net night tonight
Message-ID: <961118103432_228135381@emout11.mail.aol.com>

Gang,

According to my recent QQs, the SSB net for NE-QRP is tonight, Monday at 2100 EST (that's 9pm Eastern--other time zones make the calculation yourself please.)

I know Dave Benson and I expect to be on. I will be a few minutes late, but I will be there for sure by 9:15.

Let's see how many QRPers can get up to 75m phone! Try it after you work the fox tonight.

72,

Preston WJ2V

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: RobCap@aol.com
Subject: [4636] Need Help: Another Heath Transistor Sub
Message-ID: <961118180314_738567461@emout07.mail.aol.com>

Hi Folks-

Am continuing to troubleshoot a Heath HW-8, and need help cross referencing a transistor. The part is Q1, described as "MPF105", a JFET. It's function is the "RF Amplifier". Heath part number is 417-169.

Can anyone suggest a modern replacement? Please reply directly to "Robcap@aol.com".

Thanks & 73,

Rob, W3DX
a.k.a. WA3ULH

From owner-qrp-l@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: Dan Keen <70731.722@compuserve.com>
Subject: [4650] noise suppression for fl
Message-ID: <961119025659_70731.722_EHM59-3@CompuServe.COM>

John,

Some cheapie flourescent bulbs here were noisy. Replacing them with General Electric Softwhite bulbs completely cured the problem. I use 24 inch tubes, more particularly the most common 24 inch size which is called T12 which pull 20 watts. The GE part number on the tubes are F20T12SW. SoftWhite are kinda the opposite of coolwhite, reddish instead of greenish.

Dan
70731.722@compuserve.com

From owner-qrp-l@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "John A. Evans - N3Q00" <jaevans@cos.cst.titan.com>
Subject: [4620] noise suppression for flourescent lights
Message-ID: <199611181554.KAA153424@nss2.CC.Lehigh.EDU>

Greetings all,

Since reducing local RFI is critical when it comes to hearing those signals ot there, I was wondering - has anyone dealt with trying to reduce the noise generated by flourescent lights throughout one's house??

I have a mix of compact flourescents (both magnetic and electronic) and standard 4 foot shop fixtures. I was wondering what efforts, short of tempest certification or shutting them all off, would be worth pursuing.

72, n3qoo

John A. Evans Chief System Administrator
Office: (719) 528-1800 Titan Client/Server Technologies
Fax: (719) 528-1888 1115 Elkton Dr, Suite 200
email: jaejans@cos.cst.titan.com Colorado Springs, CO 80907-3535

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "Chris Wilken" <cwilken@greatlakesav.com>
Subject: [4614] Quest: Square Holes in a Metal Box
Message-ID: <199611181458.JAA222819@nss2.CC.Lehigh.EDU>

Another basic question for you homebrewers:

What is the best way to put a square hole in an aluminum enclosure? I really dont have access to any punches, and was wondering what others are doing to get accurate square holes in their rigs.

I particularly need to make a 1.5" by .25" rectangular hole in my box. I intend to drill a number of round holes and use a file to open the hole up square, but I was wondering if anyone else uses any alternative methods or guides, etc. to insure square openings. The material is approximately 0.0625" thick.

Thanks in advance.

Chris
KB0DAL-Savage, MN
cwilken@greatlakesav.com

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "Chris Wilken" <cwilken@greatlakesav.com>
Subject: [4612] Question: Air Variable Caps
Message-ID: <199611181454.JAA52687@nss2.CC.Lehigh.EDU>

I am relatively new to RF homebrewing and have a few questions to pose regarding Air Variable Capacitors:

1) I am building a 40-9er which I intend to jazz up a bit by putting in a

regular, metal electronics chassis. I would like to have a knob available to adjust the VX0 externally. At present, C6 is a trimmer cap used to accomplish this. I have noticed a number of builders have substituted an AVC with a wider range for C6 to accomplish exactly what I want to do. When I make this substitution, what precautions are necessary to make the AVC work in place of the pcb mounted trimmer. I know it is necessary to keep the leads as short as possible, but do you need to do anything to prevent stray capacitance between the AVC plates and the chassis itself? Should the chassis be grounded to "ground" on the pcb?

2) What is the best source of AVC that others have found? The AVC that I need is of course, very small compared to the monsters commonly found in ATUs, etc. but aside from the junk boxes at hamfest, I rarely if ever see any advertised. Where is everyone else getting theirs? A mail order or web source would be most helpful.

I hope my questions aren't too trivial. I appreciate everyone's help.

Chris
KB0DAL-Savage, MN
cwilken@greatlakesav.com

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: Sterling <slombard@primenet.com>
Subject: [4637] Radiokit
Message-ID: <Pine.BSI.3.95.961118160357.21798N-100000@usr07.primenet.com>

Anyone out there have the contact info for Radiokit? I can't find it in any of my qrp books. Grrrrr!

Thanks ahead of time,

-Sterling W. Lombard (KB7JTZ)
<http://www.primenet.com/~slombard>

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "John Kirk, VE6XT" <jakirk@freenet.calgary.ab.ca>
Subject: [4645] Resources on the Net
Message-ID: <Pine.A32.3.93.961118175112.77924C-100000@srv1.freenet.calgary.ab.ca>

On the subject of resources on the net, NTE's semiconductor cross info is available on line - no need to buy the disks. Point your search engine at NTE Electronics and take 'er from there. I suspect it gets updated a lot more frequently than most of us change our disks.

Those of us who are economical (read: cheap) have long used the NTE guides as a spec book for mystery devices - see what NTE recommends for a replacement, look up the specs on that device and you have a pretty good idea what the original device was good for as well. Great when scavenging parts from tv's, cb's etc. No reason the NTE search engine on the net couldn't be used the same way.

73
John

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "duane" <duane@flinet.com>
Subject: [4652] schematic program
Message-ID: <199611190325.WAA22812@shell.flinet.com>

Does anyone out there know of a simple basic schematic drawing program that has the various symbols and allow a person to place them. nothing fancy just plain and simple. The ones I've seen would take a year to learn to operate.

Duane AB4BE
<http://www.flinet.com/~duane>
duane@flinet.com
ab4be@amsat.org

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "John Kirk, VE6XT" <jakirk@freenet.calgary.ab.ca>
Subject: [4646] Square holes in panels
Message-ID: <Pine.A32.3.93.961118175720.77924D-100000@srv1.freenet.calgary.ab.ca>

Obviously, some of you out there have never learned the secret of "square bits" for your drill. Any good "House of Tools" (or was that "fools"?) has 'em! Ask for them by name!

73
John

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: GREGOIRE@ENDOR.COM (ERNEST GREGOIRE)
Subject: [4641] SS,& What NOT to do after.
Message-ID: <199611190021.TAA159838@nss2.CC.Lehigh.EDU>

Hello Gang,

I had a ball working SS. I did about 60 Q's cant tell for sure because I tried to up date my log after the contest even though I was very tired.

Big mistake!! :(

I bungled the job and now I have to type each one in to the permanent log. I destroyed the bin file.

I do have the info in another file but unfortunately, It cant be recovered into a useable bin file.

I will not do this next time. I hereby promise to copy the file "Before I do ANYTIHING to it".

Not that big a deal anyway, just a pain in the neck.

I did manage to finish up my WAS , and I am very happy with that. Now I need to finnish up the WAS in CW and RTTY. All qrp of course.

73 de AA1IK
Ernie

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [4623] SS-SSB/AC4HF
Message-ID: <01IBZL6IF1GY8WWHV8@tntech.edu>

Well,

It was a cold dark Sunday in Cookeville, TN. The adolescent was otherwise engaged in meaningful activities with an appropriate peer. The XYL was busy with tasks. Alas, I had finished my assigned tasks for teh day and found myself with time to play.

It was Sweepstakes day on SSB and the goal of being able to purchase for myself, at the slight expense of \$5.00 a Sweepstakes pin, drove me to action. Fired up CT and the old Kenwood TS930 (best QRP rig I have ever used!!!!).

Got many very positive comments on my signal. Used a Lightning Bolt Quad for 20, and 15... and can't turn it.. faces North.. or so I think.. but did most of my contacts towards the west. Used my Gap vertical for 40 and 80.

My strategy was to be on whatever band most other people would not be on.. like get on 20 while most were on 40 and then move up to 15.

Made 130 QSOs and 54 sections.. and had a blast.. worked about 5.5 hours total.

72

Jeff, AC4HF

From owner-qrp-l@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: Richard Sherman <srichard@aldus.northnet.org>
Subject: [4643] SS: Some Rambling
Message-ID: <1.5.4.16.19961118195202.47a714b0@aldus.northnet.org>

Hi All,

After listening to 20, 40 and 80 this weekend, I can say that QRP SSB is not for wimps. Those bands were just one mass of blahblahblah. I could hardly make anything out in that mess. Absolutely brutal. I think Jeff, AC4HF was correct in his operating on the bands were there weren't as many people. I did that a bit on Sunday when I skipped 20 and went to 15. I even had a chance to hold a freq for a while and have some decent runs. Nothing earth shattering but I got a lot of "big QRP signal" from the folks in TX. Apparently that's where the main lobe of my signal landed. One guy said he knew for a fact I wasn't QRP but he'd put it down anyway since that was what I claimed. Another gentleman asked how much power I was running and what kind of antenna I had. He was absolutely incredulous when I told him 5w to an 80/40 trap dipole. Of course being in a rare section helped add 20dB to the signal :-)

Saturday night after having made a grand total of 18 Q's in the first 3 hours, I decided I wasn't having fun and went to watch Star Trek and then a movie. I didn't get back on till Sunday morning. By that afternoon, there were a lot of people begging for the NNY section. I still wasn't having fun but it did make me happy when many people said "God Bless you for NNY" and "I've been looking for you all day, Thank You." These people were

genuinely happy to have worked me. Of course one guy that was calling for NNY stations apparently didn't believe it and wouldn't work me. So someone asked me to QSY and was happy to have done so.

So I ended up after about 15 hours with 203 Q's and 62 sections.
Next year, I go for 1000, hopefully that won't be the combined CW and SSB scores ;-)
72 to all and to all a good night,
de Rick WZ2T NNY

srichard@northnet.org

---If you're not part of the solution,
You're part of the precipitate.---
Steven Wright

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [4625] SSB Sweepstakes QRP
Message-ID: <n1363808330.77595@msmailgw1.arlut.utexas.edu>

Got an Argonaut 505 from an estate, along with a PM-2 Power Mite, (early Ten Tec direct conversion 3 band rig.)

Used the Argonaut this Sun. on Sweeps for about an hour plus, netting 24 QSO's hunt and pounce on the strong sigs, on Gap Titan vertical.

Of those, got both coasts from South TX, 12 states, 19 sections, and one Canadian, (Quebec). The one that got away was Hawaii, that would have been nice for first use of the rig. Used a 1968 vintage Electro Voice SSB hand mike, so almost a vintage station. Probably had 2 Watts output from the 505.
YES SSB QRP WORKS!
72, Stuart K5KVH
rohre@arlut.utexas.edu

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: Allen Jones <ajones@adsnet.com>
Subject: [4634] SSB Sweepstakes QRP
Message-ID: <1.5.4.16.19961118160329.08afa410@206.158.2.1>

I actually forgot about the phone SS until 10:00 AM local Sunday morning. Spent most of Saturday at the hamfest in Ft. Wayne, Indiana with NY9B.

I'm *still* waiting for my IC-736 to come back from repair at Radio City so used the Index QRP++ and my trusty trapped half-sloper. I operated just

under 8 hours and worked 124 contacts in 50 sections broken down as follows:

80 - 12 contacts
40 - 63 "
20 - 29 "
15 - 20 "

If I did the math correctly I think my score is 12,400 points.

72/73 de Allen, W9DZ
f.k.a K9DZE

From owner-qrp-l@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: Luke Enriquez <ecsclfe@lux.latrobe.edu.au>
Subject: [4640] Thanks to all of those who replied re: Iambic Key...
Message-ID: <9611182344.AA07870@lux.latrobe.edu.au>

Howdy,

What a fantastic group! I got heaps of replies and all the info I needed, since I always feel nervous about buying things "BLIND". I've decided to go for the BY2 from Bencher. This is, from what I have been told and seen in pictures, a good compromise between cost and quality. I have been using CW with a straight key for about 2 months, so I want to change to Iambic before I get too many habits.

I'll be using the keyer in the KC-2 in my Sierra (Which I received yesterday! What a kit!). Somehow I will rig up the KC-2 keyer to work with my QRO rig as well, with appropriate interface circuitry (The QRO uses 50V DC keying).

Regards,
Luke

Thanks once again and thanks for keeping the replies to email (well mostly).

--

Luke Enriquez VK3EM "I only cook with Non-violent
3rd Year Electronic Engineering fruit that pulps itself."
Latrobe University, Victoria, Australia.
ecsclfe@lux.latrobe.edu.au

--

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: Ed Tanton <n4xy@avana.net>
Subject: [4610] UNformatted VFO shielding text
Message-ID: <3.0.32.19961118081641.0069ccc8@tiger.avana.net>

Hi folks... I sent you all a copy of this text on VFO shielding without removing the formatting... some read it and some didn't. The Mail program was EUDORA PRO which allows colors, bold face, underlining, and multiple font sizes. To those who could not read it, my apologies. To everyone, my apologies for the bandwidth. I will be more careful in the future. Here it is in UNformatted form:

Hi John... there are a couple of answers to your question! First, if I was building from scratch, I would build the entire VFO into a diecast box, or use some very thick aluminum to build a box of appropriate dimensions. I would fasten that box onto the thick aluminum front panel. I would then bring the shaft of the capacitor through the front panel.

That said, look at virtually all the current crop of QRP kit rigs from anybody you like... the capacitor (when there is one-and there usually is) is never enclosed in anything much. the vfo's may have some shielding in the form of vertical strips, but-as far as I know-that is all they do. Now, I understand economics is a factor here... but you know, most of 'em work pretty well. That makes my point for me. You can do it: it should produce a cleaner, more stable signal; but it is not essential for a very satisfactory VFO.

Considering everything however, as I said, I would box the whole VFO. But I always tend to over-engineer things! After all, how many things do you build in a lifetime? Not REALLY all that many-so build the best, when you can do so without going to extremes-and an extra minibox is not really extreme.

I hope I have not seemed too ambiguous here. I wanted to emphasize that you do not have to enclose, but it is not a waste either. OK???

72/73

Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933
Voice/MBX/FAX
189 Pioneer Trail, Marietta, GA 30068-3466

QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140 NORCAL#1779 NCDXF
SEDXC
Life Member: ARRL AMSAT IDRA INDEXA QCWA URL: Coming
Soon

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "Michael Connor" <mikec@primenet.com>
Subject: [4621] Vegas Thur/Fri
Message-ID: <199611181632.JAA11810@primenet.com>

Gang,

I'll be in Las Vegas Thur/Fri for
the Comdex Expo. Anyone there
wanna get together for an eyeball?

Mike
N07K

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "LSCHAUMB" <lschaumb@dsccl.dk>
Subject: [4607] VFO shielding
Message-ID: <9610188483.AA848308587@smtp1ink.dsccl.dk>

Subject: VFO shielding
Author: n4xy@avana.net at Internet-Mail
From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "Lau, Zack, W1VT" <z1au@arrl.org>
Subject: [4632] W1VT SS SSB Comments
Message-ID: <m0vPYT5-000f5LC@mgate.arrl.org>

Keith, WB2VU0 had a great QRP signal on
75M, though we didn't manage to work. His
setup seemed to work much better than mine,
though I did manage 161 75M QSOs.

Had a lot of trouble working other QRPers on
the high bands--the only one I found was in WY,
and the pileup was too big...

I did get through the VY1JA pileup--Jay is getting
pretty good at managing the crowd--I probably
wouldn't have working him in years past.

Missed AK--nothing heard all weekend.

HI--trace of a WB6/KH6 heard working K0KE.

SB--heard them working people.
KY--two stations never heard me well enough to work.

Zack W1VT

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: wdzeares@rockdal.aud.alcatel.com (W. Dennis Zeares)
Subject: [4628] WAS: need DEL, NE, MS!!!
Message-ID: <9611181752.AA22633@aud.alcatel.com>

Since returning to QRP after cancer treatments and surgery,
I decided I would like WAS -QRP... I have worked 47
states QRP but NEED Del. Neb. Miss.... I did work SS
but never heard these states.

Anyone willing to help with a QSO and a QSL please contact
me direct at wdzeares@aud.alcatel.com and if you would
please cc: k3ets@why.net --- that way I will get it at
home and work. Thanks,

72/73 Dennis K3ETS, Dallas, Home of K5F0

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: Dan Keen <70731.722@compuserve.com>
Subject: [4649] Windows program rtty, mo
Message-ID: <961119025648_70731.722_EHM59-1@CompuServe.COM>

> Does anyone know of a good Windows (either 3.1 or 95) shareware program for
> rtty, packet, morse, etc.
>
> I am using a MFJ-1278b and am not impressed with their software.

I don't if you know or not but MFJ just brought out a new Windows version of
their old DOS multicom set of programs designed for the 1278b. Cost is the
same as the old DOS version, which will still be available. For new
features, see the complete 1997 MFJ catalouge in (I think it was) October QST.

I use the DOS version of Multicom by the way, havn't seen the new Windows
version, only read about it.

Dan
70731.722@compuserve.com

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "Paul R. Valko" <prvalko@oakland.edu>
Subject: [4653] Re: 40-9er Contest Rules(Long)
Message-ID: <Pine.OSF.3.95.961118221047.1845A-100000@vela.acs.oakland.edu>

On Thu, 26 Sep 1996, BOB KELLOGG wrote:

```
> SCORING
> 4. Scoring:                                     Points
>      40-9er to 40-9er                           6
>      40-9er to ANY NON-49er           4
>      QRP to QRP                             2
>      QRO to QRP or QRO                   1
>
>      Multiplier = states/provinces/countries worked.
```

Name: Paul R. Valko_____Call: W8KC
Address: 3123 Cairncross Drive
City/State/Zip: Oakland Twp. MI 48363
Rig and Rig Code: 49er AND Ten Tec Corsair 1 @5w (TT)
Antenna: Full Wave 40M Dipole at 45'
Power Source: Radio Shack 9V Lithium Cell & TT PS

Score:
Total 40-9er to 40-9er contacts ____0 X 6 = 0
Total 40-9er to NON49er contacts ____7 X 4 = 28
Total QRP to QRP contacts ____0 X 2 = 0
Total QRP to QRO or QRP contacts ____0 X 1 = 0
=====

Total Points = 28

Total S/P/C multipliers 7
Times Total Points X 28 = Final Score 196

LOGBOOK:

Date Time	Station	SentRST	RcvRST	Rig/Pwr	QTH	My Rig
11-13	0309 WJ4P	558 346	49/1w	SC	Corsair	5w
11-14	0241 AE4IC	559 339	NW/5w	NC	49er	1w
11-15	0222 KF8PK	599 549	KW/100w	OH	49er	1w
11-16	0233 NR3Z	559 529	TT/5w	PA	49er	1w
	0240 W2GUM	559 559	TT/5w	NJ	49er	1w
	0243 N2JJ	559 559	KW/5w	NY	49er	200mw
	0251 K3QIO	559 449	MFJ/4w	DE	49er	200mw

73! =paul= W8KC

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: torell@sicom.com (Kent Torell)
Subject: [4627] Re: A Fox Poem
Message-ID: <v02130502aeb64389d1bd@[192.91.202.41]>

Laura

Feel free to post ANY poems...the best we've seen prior to this well-crafted piece was a limerick thread. You need to publish this one, Doug. Thanks again :-)

72, ab7oa

Kent Torell torell@sicom.com 602-483-2867 x230
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260
AB70A qrp-1 57 ARCI 9075 DM33xn 33.55 N 111.078 W

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [4626] Re: FOX Tonight
Message-ID: <199611181818.MAA24574@multi13.netcomi.com>

Relax, Ron

That light breeze is from the California crew cranking up the new tower.

Mike K1MG

>
> Still raining here and now the winds are blowing at near
> 100 mph over the ridge....that ridge is about 8 miles West
> of me! Winds at the place have only been up to the 50 mph
> range....should help blow the sigs eastward.....
>
> cu all on 7035+ tonight....
>
> 73, Ron,

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: Joe Everhart <n2cx@voicenet.com>
Subject: [4644] Re: Gusher-II in WorldRadio
Message-ID: <199611190028.TAA27448@mail3.voicenet.com>

Gang,

Wow, talk about a response! My request for a copy of the Worldradio review of the PVC Gusher-II was answered by a whole slew of youall. I received a fax of it this morning Ed Tanton from. Thanks to all who offered.

In the words of Paperback Paul, I love you man!
72/73,

Joe E., N2CX

work: jeverhart@cayman.vf.mmc.com
home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "Len W. Touth" <len@infinet.com>
Subject: [4605] Re: HB: NW40 MOBILE-Any tips??
Message-ID: <199611180842.DAA15906@mail1.infinet.com>

CW QRP mobile can't be done!!!

ONLY KIDDING!!!

I have been into qrp/m for a while. I have had outstanding success.

I have worked many US and a few DX stations while driving, and actually had an rst of 559 from a Spanish station.

I have tried straight keys, bugs, and iambic paddles. My opinion for cw/m is that the iambic paddle is the only way to go for TRUE mobile ops. I have experimented with many paddle types for mobile, but my favorite is without a doubt the Nye Viking ssk001 (available through Universal Radio in Reynoldsburg, OH or other ham outlets). This key is outstanding for use while driving. It has a heavy base, and a metal cover that protects the "gutyworks" from harm. I reversed the wiring so that I can rest my hand ON THE KEY while driving (paddles pointing away from me) so that it can NOT move. I either rest it on my leg, place it on the armrest, or on the seat next to me. I set the keyer for 20 wpm and have

no trouble. My set-up is as follows:

S/S Engineering TAC-1 40m 5w to Hustler Whip
MFJ 30m qrp rig to the same whip (resonator change)

I have mounted the rigs beneath the dash, and quickly realized that I needed the tuning knob and volume control much closer. I ended up placing velcro on the bottom of the rigs with the matching velcro to the center console area between the front seats. I travel alot on business and the QRP/M set-up has made long boring drives very pleasurable. My opinion is that the Tac-1 is a far superior mobile rig. It has the most increadible audio output I have ever heard for a QRP rig. It also has detented digital tuning with NO DRIFT! This is very important on cold start-up. I use a cassette adapter to pump the audio into my car stereo. This gives me enough audio to easily cut through road noise.

Gud Luck wid ur FB QRP/M set-up OM!

73

Len

KG8SF/qrp/m - hi hi

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "Michael Connor" <mikec@primenet.com>
Subject: [4616] Re: HB: NW40 MOBILE-Any tips??
Message-ID: <199611181535.IAA26709@primenet.com>

Len,

Another option you may want to try is a mouse keyer. I use one in my mobile and it seems to work fine for my needs. I can set it on the seat next to me, and key it while holding on to it. It is a different approach from using paddles and may take a little getting used to. I like it because there is no strapping to my leg stuff, no permanent mounting needed.

FWIW,

Mike
N07K

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: bcutter@teal.csn.net (Bob Cutter)
Subject: [4617] Re: HB: NW40 MOBILE-Any tips??
Message-ID: <199611181538.IAA14106@lynx.csn.net>

I have built a CMOS keyer into an old calculator case. A memory keyer is a great help for mobile CW, canned messages, etc. My keyer uses four of the keypad keys for the message memories and numbers 8 and 9 are wired as a paddle. I can hold the calculator/keyer in one hand and send CW with my first two fingers.

The calculator is one of the old TI ones, quite large by today's standards and it held 4 AA Nicads, I have changed this to three AA's to power the keyer. I use it backpacking and mobile both.

72, Bob KI0G
>
QBF? ZUE

Bob Cutter,Glenwood Springs, CO

KI0G

bcutter@teal.csn.net

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: Joe Everhart <n2cx@voicenet.com>
Subject: [4642] Re: HB: Ugly Construction/Altoids Tins
Message-ID: <199611190042.TAA29393@mail3.voicenet.com>

Gang,

This thread is a month old, but I have something to add.

It started out as a discussion of a means of punching out PC board "dots" to be super-glued onto a copper-clad piece of pc board material for breadboarding. That is a super method! It's neater than using high value resistors for standoffs and gives excellent results through 2 meters.

Rod Johnson, KA7YOU mentioned that Northern Hydraulics carries this hand punch and I mentioned getting one at a

local hamfest. Alas mine is from a no-name Chinese manufacturer who listed a model no (8500) on the box, but no company name. It is identical to the domestic model, with dies for punching round holes from 3/32 to 9/32.

And it's the answer to a homebrewer's prayer when it comes to punching round holes in chassis. Its 1/4 inch wide jaws and 1-1/2 inch deep throat make it very versatile for replacing a drill in chassis punching. And best of all, it does an extremely good job on very thin stiff material like Altoids tins!

I recently packaged the prototype Mint Tin Rainbow Bridge and Tuner in a mint tin, and reconfirmed that the punch did a flawless job. No need to fiddle around with a drill and risk injury or damage to the metal work - use the and punch instead. Even a klutz like me can do a good-looking job!

72/73,

Joe E., N2CX

work: jeverhart@cayman.vf.mmc.com
home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
Subject: [4631] Re: Long wire antenna design -Thanks
Message-ID: <3290AB6A.62B8@uts.cc.utexas.edu>

LB-

Last October you were helpful in advising me on a long wire antenna I planned to install. I ended up putting up a 1 wave-length long wire on 40 meters, cut with a quarter wave on one end, fed with 450 ohm ladder line and about 3/4 wave length on the other end. It is up about 35 feet and the ends drop down about 20-25 degrees from horizontal as the feed point is wooden mast on top of my house. The short end points north and the long end points south. My delta loop is oriented so I can work west and southwest very well, but I had a devil of a time working north.

I have been very pleased with the results from my longwire. I use a Super Tee transmission line tuner (should call these things TLT's instead of antenna tuners) and get a 1.3:1 or less on 80 through 15. Haven't tried 10 meters. I'm not that much of an optimist!

I seem to work "north" just fine -off the "short" end. I made four contacts this past week on 40 meters and it is interesting to note that my "range" fell between 850 to 1000 miles under the propagation we had. Must be getting a fairly low angle of radiation or was it just the propagation this week? Ran 3 watts out of an MXM-40. All the reports were 559 to 579.

The contacts were:

K7DU	930 miles	Wyoming
K0EVZ	983 miles	Minnesota
AB7DO	1,007 miles	Arizona
KN9T	883 miles	Illinois
AA7QV	838 miles	Wyoming

Since there aren't many stations out in the middle of the Gulf of Mexico, I'm not sure how I'm being heard out there, but I would guess that even more of my signal is headed thataway.

Anyway, thanks for the help. Based on your advice, I made the "short" end of the antenna about a 1/4 wave instead of a half wave and did a 1-wave length longwire instead of a 2 or 3 wavelength. Kept my neighbors happier in the process.

I have just about finished building the NW80/20 20 meter transceiver so by next weekend I hope to load the antenna on 20 meters and see how it does. Sure can "hear" lots of stations, now...to get that transmitter aligned.

Sure do appreciate reading your postings to all the other qrp-ler's. Have learned alot about antennas this year.

72,73,

Gary, KJ5VW
Austin, Tx

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: PDouglas12@aol.com
Subject: [4635] Re: NE QRP net night tonight
Message-ID: <961118165831_1682534892@emout16.mail.aol.com>

Jerry,
Thanks for asking, Jerry.
Sorry I left off the freq in my original posting, so apologies to all for

wasting B/W.

Freq is 3855. Tonight 9pm. (0200 UTC) and you can work the fox at 0130 UTC first!

I am not net control of course. I just plan to be there or be square.

Preston WJ2V

From owner-qrp-l@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [4624] Re: Newbie, basic questions
Message-ID: <199611181749.LAA23961@multi13.netcomi.com>

Welcome Patrick!

Thanks for posting your questions. I hope this helps:

1. The 40-9er is a nifty little forty meter CW transceiver that was designed by Wayne Burdick and kitted up by the NorCal QRP club. I think that over a thousand have been built by fellow QRPers. It consists of an NE602 oscillator/mixer direct conversion receiver and a two stage transmitter. The schematic is available on the Norcal web site <http://www.fix.net/~jparker/norcal.html>. It puts out about 250 mW using a 9 volt battery, hence the name: 40 meters, 9 volt. A member of QRP-L recently sponsored a week-long contest for 40-9er rigs, so you'll be hearing about them a lot in the coming week as people post their results.

2. The fox hunt is an addictive game sponsored by the famous Chuck Adams K5FO (Fox Officer). I'll attach the rules to this message. Twice a week, selected QRP stations (foxes) sit on a frequency and try to work as many fox hunters as possible in a two hour session. This goes on all winter until March. All of this is QRP, of course, and helps improve operating skills, propagation understanding, and station operation. Try it. You just might get addicted.

3. The "Bare Essentials" radio is a simple tube transmitter project that a number of QRPers are building.

Forget the MFJ; build your own! The 40-9er kit is no longer available from NorCal, but the parts are readily available for rolling your own. Soon to come, however, are the 40-9er offspring, the "38 special" and the "SST". The first is a thirty meter transceiver and the latter is a single band transceiver which can be built for one of several bands. Keep your ears open for announcements on the list about these upcoming projects.

Mike K1MG

You got questions! We got answers! (and we sometimes have the right ones)

> 1. What is a 40-9er? I know what a 2 by 4 is.
>
> 2. What is the Fox Hunt?
>
> 3. To the gentleman with the "bare essential" HF equipment: How much am I
> looking at to get in? I found a MFJ9040 package from AES for under \$300.
> Will this cut it?
>
> Patrick McVey, KC7AIR
> Kingman, Arizona
>

From owner-qrp-l@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: PaulKB8N@aol.com
Subject: [4633] Re: Pi Network Tuners
Message-ID: <961118153950_1485057705@emout02.mail.aol.com>

Amen, Cecil. I use pi-network tuners exclusively and have for many years. I have a paper on antenna tuner efficiency that I'll gladly send anyone for an SASE. Pi net tuners do provide yet another stage of filtering. I have used two Corsairs at full output under contest conditions and have experienced little or no interference between the two, even though the antennas are all physically close to each other. I have even used two transceivers on the opposite ends of the same band with different antennas! I highly encourage anyone contemplating a tuner to build a pi-net and then compare the field strength readings against a capacitive T tuner or a Z match. Manufacturers don't like building pi-nets because of the larger capacitive values needed -- a problem easily solved by "range extender" high voltage parallel fixed caps, or with larger value varicaps.

72/3, Paul KB8N

From owner-qrp-l@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: Norm.Lee@flinders.edu.au (Norman J. Lee)
Subject: [4602] Re: QRP-L digest 548
Message-ID: <v01540b06aeb5d1b4609f@[129.96.234.104]>

Frank

Eggsactly, tho' I think you may be eggsagerating!!

Sorry, couldn't helpit!!

Norm
VK5GI

From owner-qrp-l@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: Norm.Lee@flinders.edu.au (Norman J. Lee)
Subject: [4603] Re: QRP-L digest 548
Message-ID: <v01540b07aeb5d2167799@[129.96.234.104]>

Hi gang

Ok, I know we all like to tell tall tales, but here's one. Yesterday (Sunday) at 15.15 Central Australian Summer Time, I worked JQ1LOT (haven't got the log with me - I think was the call) 20 kilometers north of Tokyo on 14.250 on 2 (yes, TWO) watts from my Ten-Tec Argonaut 509 and received a 5/3. My antenna is a simple dipole at 10 meters. He was running 100 watts and a 4 element beam and I gave him 5/7. He couldn't believe that I was only running 2 watts. I can't believe the signal report he gave me!! Don't know what the distance is, but it's a helluva long way from far southern Oz to Tokyo. Makes me wonder what it will be like when the sun really gets spotty!!

On another matter, has anyone any info on a little Standard rig - a handheld C800 VHF Scanning Receiver (10 receive channels - rocks required) with one channel transmit capability?? I need to know what the formula is for the crystals.

Thanks for the bandwidth

Norm
VK5GI

From owner-qrp-l@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "Claton Cadmus" <aplitech@Spacestar.Net>
Subject: [4629] Re: Quest: Square Holes in a Metal Box
Message-ID: <199611181752.LAA26983@Spacestar.Net>

Hello Chris,

> Another basic question for you homebrewers:

>

> What is the best way to put a square hole in an aluminum enclosure? I
> really don't have access to any punches, and was wondering what others
are

> doing to get accurate square holes in their rigs.

I would suggest a nibbling tool. Radio Shack used to sell one but it
wasn't all that good. Perhaps someone else could recommend a good brand
as I'm in need of a new good one as well.

> I particularly need to make a 1.5" by .25" rectangular hole in my box.

I

> intend to drill a number of round holes and use a file to open the hole
up

> square, but I was wondering if anyone else uses any alternative methods
or

> guides, etc. to insure square openings. The material is approximately
> 0.0625" thick.

For this size hole a nibbler is almost too wide and you will need to file a
oblong hole to get enough room to start using the nibbler. I'd probably
drill the holes and file the entire hole as you describe. A good set of
small files is a great asset to the HB toolbox.

Claton Cadmus |73 de KA0GKC
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From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996

From: Sterling <slombard@primenet.com>

Subject: [4638] Re: Radiokit

Message-ID: <Pine.BSI.3.95.961118161959.217980-100000@usr07.primenet.com>

Oh no! Who's the big air variable capacitor dealer now?

-Sterling W. Lombard (The Phreique)
<http://www.primenet.com/~slombard>

On Mon, 18 Nov 1996, burro wrote:

> Sterling, Sorry. Know how you feel. They are out of business.
> Barry WB6LDL
>

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: dgf@netcom.com (David Feldman)
Subject: [4648] Re: Square holes in panels
Message-ID: <199611190227.SAA10150@netcom4.netcom.com>

>'em! Ask for them by name!

Also you can get the Q-MAX square chassis punch, 1" x 1", sold for about \$36 by NEWARK (thru their FARNELL specialty catalog).

Unfortunately it's the only non-round punch available at a reasonable (?) price. Still, it's better than a kick in the teeth.

Call Newark for details.

73 Dave WB0GAZ dgf@netcom.com

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: "Len W. Tough" <len@infinet.com>
Subject: [4606] Re: Windom Antennas for QRP?
Message-ID: <199611180848.DAA16129@mail1.infinet.com>

Running qrp to a windom here and I have flatline SWR - no problems at all.

Len
kg8sf

From owner-qrp-1@Lehigh.EDU Mon Nov 18 23:11:46 1996
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [4618] Re: Windom Antennas for QRP?

>From: "\"W. Kimura\"." <W.Kimura@valley.net>
>Been thinking about building a Windom for 40M and 20M and was wondering
>if QRP power (now there's an oxymoron) to the antenna means that the
>un-balanced currents on the feedline will be OK? (Kim) Kimura N1MVU

Hi Kim, that depends upon what you mean by "OK". All of the unbalanced currents will cause radiation from the feedline which will probably be vertically polarized where the horizontal Window will radiate horizontally polarized RF. So the radiation pattern will not be the same as most antenna modeling programs indicate. The unbalanced currents can cause common mode problems with a balun and RF in the shack. I used one of these in college in the '50s and made a lot of contacts. But I let my lips touch the metal microphone only once before I learned my lesson. :-)

73, Cecil, W6RCA, 00TC (not speaking for my employer)